

Form PTO-1449							U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P19850	Serial No. 09/779,447	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)							Applicant BANERJEE et al.			
							Filing Date February 9, 2001	Group 1614		
<b>U.S. PATENT DOCUMENTS</b>										
EXAMINER INITIAL	DOCUMENT NUMBER				DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HO</i>	5	7	6	6	5 9 1	06/16/98	BROOKS et al.	—	—	
<i>HO</i>	5	7	6	0	0 2 8	06/02/98	JADHAV et al.	—	—	
<i>HO</i>	5	7	6	0	0 2 9	06/02/98	JADHAV et al.	—	—	
<i>HO</i>	6	1	3	0	2 3 1	10/10/00	WITYAK et al.	—	—	
<i>HO</i>	6	0	9	6	7 3 0	08/01/00	COLLINS et al.	—	—	
<i>HO</i>	6	1	6	0	1 6 6	12/12/00	COLLINS et al.	—	—	
<i>HO</i>	6	1	4	6	8 2 4	11/14/00	BAR-SHAVIT	—	—	
<i>HO</i>	6	1	5	0	4 0 7	11/21/00	TUSÉ et al.	—	—	
<i>HO</i>	3	8	2	5	1 4	01/17/95	PASSANITI et al.	—	—	
<i>HO</i>	5	9	9	4	3 0 9	11/30/99	MAZAR et al.	—	—	
<i>HO</i>	5	8	5	4	2 0 5	12/29/98	O'REILLY et al.	—	—	
<i>HO</i>	5	8	3	7	6 8 2	11/17/98	FOLKMAN et al.	—	—	
<i>HO</i>	5	9	4	5	4 0 3	08/31/99	FOLKMAN et al.	—	—	
<i>HO</i>	6	0	2	4	6 8 8	02/15/00	FOLKMAN et al.	—	—	
<i>HO</i>	6	1	1	4	3 5 5	09/05/00	D'AMATO	—	—	
<i>HO</i>	5	9	8	5	8 3 9	11/16/99	DUPONT et al.	—	—	
<i>HO</i>	5	8	3	0	8 8 0	11/03/98	SEDLACEK et al.	—	—	
	4	6	7	0	3 9 4	06/02/87	POLLARD et al.	—	—	
<i>HO</i>	5	6	2	9	3 4 0	05/13/97	KUWANO et al.	—	—	
<i>HO</i>	5	8	0	7	7 3 1	09/15/98	VAN MEIR et al.	—	—	
<i>HO</i>	5	9	3	2	6 1 1	08/03/99	WUTHIER et al.	—	—	
<i>HO</i>	5	9	8	1	4 7 1	11/09/99	PAPATHANASSIU et al.	—	—	
<i>HO</i>	6	0	5	1	2 3 0	04/18/00	THORPE et al.	—	—	
<i>HO</i>	6	1	2	1	2 3 6	09/19/00	BEN-SASSON	—	—	
<i>HO</i>	6	1	5	3	6 0 3	11/28/00	SIRÉN	—	—	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
1	BANERJEE, "Angiogenesis: Characterization of a Cellular Model", <u>Puerto Rico Hlth. Sci. J.</u> , 17:327-333 (publication date unknown).			
2	COCKERILL et al., "Angiogenesis: Model and Modulators", <u>Int Rev Cytol</u> , 159: 113-160 (1995).			
3	FOLKMAN et al., "Angiogenesis", <u>J Biol Chem</u> , 267:10931-10934 (1992).			
4	BECK et al., "Vascular Development: Cellular and Molecular Regulation", <u>FASEB J.</u> , 11:365-373 (1997).			
5	BUSSOLINO et al., "Molecular Mechanisms of Blood Vessel Formation", <u>TIBS</u> , 22:251-256 (1997).			
6	FOLKMAN et al., "Induction of Angiogenesis During the Transition from Hyperplasia to Neoplasia", <u>Nature</u> , 339: 58-61 (1989).			
7	FRIEDLANDER et al., "Definition of Two Angiogenic Pathways by Distinct $\alpha_v$ Integrins", <u>Science</u> , 270:1500-1502 (1995).			
8	LIOTTA et al., "Cancer Metastasis and Angiogenesis: an Imbalance of Positive and Negative Regulation", <u>Cell</u> , 64:327-336 (1991).			
9	SACLARIDES et al., "Tumor Angiogenesis and Rectal Carcinoma", <u>Dis. Colon Rectum</u> , 37:921-926 (1994).			
10	SHWEIKI et al., "Patterns of Expression of Vascular Endothelial Factor (VEGF) and VEGF Receptors in Mice Suggest a Role in Hormonally Regulated Angiogenesis", <u>J. Clin. Invest.</u> , 91:2235-2243 (1993).			
11	VARTANIAN et al., "Correlation of Intratumoral Endothelial Cell Proliferation with Microvessel Density (Tumor Angiogenesis) and Tumor Cell Proliferation in Breast Carcinoma", <u>Am. J. Pathol.</u> , 144:1188-1194 (1994).			
12	FOLKMAN et al., "Angiogenic Factors", <u>Science</u> , 235:442-447 (1987).			
13	FURCHT, "Critical Factors Controlling Angiogenesis: Cell Products, Cell Matrix, and Growth Factors", <u>Lab. Invest.</u> , 55:505-509 (1986).			
14	DENEKAMP, "Angiogenesis, Neovascular Proliferation and Vascular Pathophysiology as Targets for Cancer Therapy", <u>Br. J. Radiol.</u> , 66:181-196 (1993).			
15	NICOLSON, "Cancer Metastasis", <u>Sci. Am.</u> , 240:66-76 (1979).			
16	NAGY et al., "Pathogenesis of Tumor Stroma Generation: a Critical Role for Leaky Blood Vessels and Fibrin Deposition", <u>Biochim Biophys. Acta</u> , 948:305-326 (1989).			
EXAMINER	<i>Xavier Goss</i>		DATE CONSIDERED	<i>4/8/05</i>
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<i>Ho</i>	1	7	MOSCATELLI et al., "Angiogenic Factors Stimulate Plasminogen Activator and Collagenase Production by Capillary Endothelial Cells", <u>J. Cell Biol.</u> , 91:201a (1981).		
<i>Ho</i>	1	8	LIOTTA et al., "The Significance of Hematogenous Tumor Cell Clumps in the Metastatic Process", <u>Cancer Res.</u> , 36:889-894 (1976);		
<i>IC187 391430</i>	1	9	FOLKMAN, "Tumor Angiogenesis: Therapeutic Implications", <u>N. Engl. J. Med.</u> , 285:1182-1186 (1971).		
<i>Ho</i>	1	0	FOLKMAN, "Clinical Applications of Research on Angiogenesis", <u>N. Engl. J. Med.</u> , 333:1757-1763 (1995).		
<i>Ho</i>	2	1	HARRIS et al., "Gene Therapy Through Signal Transduction Pathways and Angiogenic Growth Factors as Therapeutic Targets in Breast Cancer", <u>Cancer</u> , 74:1021-1025 (1994).		
<i>Ho</i>	2	2	INGBER et al., "Synthetic Analogues of Fumagillin that Inhibit Angiogenesis and Suppress Tumor Growth", <u>Nature</u> , 348:555-557 (1990).		
<i>Ho</i>	2	3	HORI et al., "Suppression of Solid Tumor Growth by Immunoneutralizing Monoclonal Antibody Against Human Basic Fibroblast Growth Factor", <u>Cancer Res.</u> , 51:6180-6184 (1991).		
<i>Ho</i>	2	4	KIM et al., "Inhibition of Vascular Endothelial Growth Factor-induced Angiogenesis Suppresses Tumor Growth <i>in vivo</i> ", <u>Nature</u> , 362:841-844 (1993).		
<i>Ho</i>	2	5	MILLAUER et al., "Glioblastoma Growth Inhibited <i>in vivo</i> by a Dominant-negative Flk-1 Mutant", <u>Nature</u> , 367:576-579 (1994).		
<i>Ho</i>	2	6	BROOKS et al., "Integrin $\alpha v\beta 3$ Antagonists Promote Tumor Regression by Inducing Apoptosis of Angiogenic Blood Vessels", <u>Cell</u> , 79:1157-1164 (1994).		
<i>Ho</i>	2	7	RAK et al., "Progressive Loss of Sensitivity to Endothelium-derived Growth Inhibitors Expressed by Human Melanoma Cells during Disease Progression", <u>J. Cell Physiol.</u> , 159:245-255 (1994).		
<i>Ho</i>	2	8	HAMADA et al., "Separable Growth and Migration Factors for Large-cell Lymphoma Cells Secreted by Microvascular Endothelial Cells Derived from Target Organs for Metastasis", <u>Br. J. Cancer</u> , 66:349-354 (1992).		
<i>Ho</i>	2	9	FOX et al., "High Levels of uPA and pA-1 are Associated with Highly Angiogenic Breast Carcinomas", <u>J. Pathol.</u> , 170:388a (1993).		
<i>Ho</i>	3	0	POLVERINI et al., "Induction of Neovascularization <i>in vivo</i> and Endothelial Proliferation <i>in vitro</i> by Tumor Associated Macrophages", <u>Lab. Invest.</u> , 51:635-642 (1984).		
EXAMINER	<i>Howard C. Liu</i>		DATE CONSIDERED <i>4/8/03</i>		
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>HO</i>	3	1	' FRATER-SCHRODER et al., "Tumor Necrosis Factor Type $\alpha$ , a Potent Inhibitor of Endothelial Cell Growth <i>in vitro</i> , is Angiogenic <i>in vivo</i> ", <u>Proc. Natl. Acad. Sci (USA)</u> , 84:5277-5281 (1987).
<i>HO</i>	3	2	' SCHREIBER et al., "Transforming Growth Factor- $\alpha$ : a More Potent Angiogenic Mediator than Epidermal Growth Factor", <u>Science</u> , 232:1250-1253 (1986);
<i>HO</i>	3	3	' HOCKEL et al., "Purified Monocyte-derived Angiogenic Substance (Angiotropin) Induces Controlled Angiogenesis Associated with Regulated Tissue Proliferation in Rabbit Skin", <u>J. Clin. Invest.</u> , 82:1075-1090 (1988).
<i>HO</i>	3	4	' KESSLER et al., "Mast Cells and Tumor Angiogenesis", <u>Intern. J. Can.</u> , 18:703-709 (1976), <i>illegible copy</i>
<i>HO</i>	3	5	' THORNTON et al., "Human Endothelial Cells: Use of Heparin in Cloning and Long-term Serial Cultivation", <u>Science</u> , 222:623-625 (1983).
<i>HO</i>	3	6	' DETHLEFSEN et al., "Tumor Growth and Angiogenesis in Wild Type and Mast Cell Deficient Mice", <u>FASEB J.</u> , 4:A623 (1990).
<i>HO</i>	3	7	' KANDEL et al., "Neovascularization is Associated with a Switch to the Export of bFGF in the Multistep Development of Fibrosarcoma", <u>Cell</u> , 66:1095-1104 (1991).
<i>HO</i>	3	8	' NGUYEN et al., "Elevated Levels of the Angiogenic Peptide Basic Fibroblast Growth Factor in Urine of Bladder Cancer Patients", <u>J. Natl. Cancer Inst.</u> , 85:241-242 (1993).
<i>HO</i>	3	9	' BROWN et al., "Increased Expression of Vascular Permeability Factor (Vascular Endothelial Growth Factor) and its Receptors in Kidney and Bladder Carcinomas", <u>Am J. Pathol.</u> , 143:1255-1262 (1993).
<i>HO</i>	4	0	' GOTO et al., "Synergistic Effects of Vascular Endothelial Growth Factor and Basic Fibroblast Growth Factor on the Proliferation and Cord Formation of Bovine Capillary Endothelial Cells within Collagen Gels", <u>Lab. Invest.</u> , 69:508-517 (1993).
<i>HO</i>	4	1	' LEIBOVICH et al., "Production of Angiogenic Activity by Human Monocytes Requires an L-arginine/nitric oxide-synthase-dependent Effector Mechanism", <u>Proc. Natl. Acad. Sci (USA)</u> , 91:4190-4194 (1994).

EXAMINER

*Howard Deas*

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<i>Ho</i>	4	2	BANERJEE, "Microenvironment of Endothelial Cell Growth and Regulation of Protein N-glycosylation", <u>Indian J. Biochem. Biophys.</u> , 25:8-13 (1988);	
<i>Ho</i>	4	3	BANERJEE et al., "Biphasic Estrogen Response on Bovine Adrenal Medulla Capillary Endothelial Cell Adhesion, Proliferation and Tube Formation", <u>Mol. Cell Biochem.</u> , 177:97-105 (1997).	
<i>Ho</i>	4	4	BOND et al., "Replacement of Residues of 8-22 of Angiogenin with 7-21 of RNase A Selectively Affects Protein Synthesis Inhibition and Angiogenesis", <u>Biochemistry</u> , 29:3341-3349 (1990).	
<i>Ho</i>	4	5	BOUCK et al., "Coordinate Control of Anchorage Independence, Actin Cytoskeleton and Angiogenesis by Human Chromosome 1 in Hamster-human Hybrids", <u>Cancer Res.</u> , 46:5101-5105 (1986).	
<i>Ho</i>	4	6	RASTINEJAD et al., "Regulation of the Activity of a New Inhibitor of Angiogenesis by a Cancer Suppressor Gene", <u>Cell</u> , 56:345-355 (1989).	
<i>Ho</i>	4	7	ZAJCHOWSKI et al., "Suppression of Tumor-forming Ability and Related Traits in MCF - 7 Human Breast Cancer Cells by Fusion with Immortal Mammary Epithelial Cells", <u>Proc. Natl. Acad. Sci (USA)</u> , 87:2314-2318 (1990).	
<i>Ho</i>	4	8	O'REILLY et al., "Angiostatin: A Novel Angiogenesis Inhibitor that Mediates the Suppression of Metastases by a Lewis Lung Carcinoma", <u>Cell</u> , 79:315-328 (1994).	
<i>Ho</i>	4	9	BERGERS et al., "Effects of Angiogenesis Inhibitors on Multistage Carcinogenesis in Mice", <u>Science</u> , 284:808-812 (1999).	
<i>Ho</i>	5	0	BROOKS et al., "Requirement of Vascular Integrin $\alpha_v\beta_3$ for Angiogenesis", <u>Science</u> , 264:569-571 (1994).	
<i>Ho</i>	5	1	HANAHAN et al., "Patterns and Emerging Mechanisms of the Angiogenic Switch During Tumorigenesis", <u>Cell</u> , 86:353-364 (1996).	
<i>Ho</i>	5	2	NGUYEN et al., "1-Deoxymannojirimycin Inhibits Capillary Tube Formation <i>in vitro</i> , Analysis of N-linked Oligosaccharides in Bovine Capillary Endothelial Cells", <u>J. Biol. Chem.</u> , 267:26157-26165 (1992).	
<i>Ho</i>	5	3	PILI et al., "The $\alpha$ -glucosidase I Inhibitor Castanospermine Alters Endothelial Cell Glycosylation, Prevents Angiogenesis, and Inhibits Tumor Growth", <u>Cancer Res.</u> , 55:2920-2926 (1995).	
<i>Ho</i>	5	4	BANERJEE et al., "Is Asparagine-Linked Protein Glycosylation an Obligatory Requirement for Angiogenesis?", <u>Indian J. Biochem. Biophys.</u> , 30:389-394 (1993).	

EXAMINER

*Seward Queen*

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	5	5	NGUYEN et al., "A Role of Sialyl Lewis-X/A Glycoconjugates in Capillary Morphogenesis", <u>Nature</u> , 365:267-269 (1993).
	5	6	ELBEIN, "Inhibitors of the Biosynthesis and Processing of N-linked Oligosaccharide Chains", <u>Ann. Rev. Biochem.</u> , 56:497-534 (1987).
	5	7	TIGANIS et al., "Functional and Morphological Changes Induced by Tunicamycin in Dividing and Confluent Endothelial Cells", <u>Exp. Cell Res.</u> , 198:191-200 (1992).
	5	8	CHAPMAN et al., "Structure of the Lipid-linked Oligosaccharides that Accumulate in Class E <i>thy-1</i> -negative Mutant Lymphomas", <u>Cell</u> , 17:509-515 (1979).
	5	9	BANERJEE et al., "Amphomycin: Effect of the Lipopeptide Antibiotic on the Glycosylation and Extraction of Dolichyl Monophosphate in Calf Brain Membranes", <u>Biochemistry</u> , 20:1561-1568 (1981).
	6	0	BANERJEE, "Amphomycin Inhibits Mannosylphosphoryldolichol Synthesis by Forming a Complex with Dolichylmonophosphate", <u>J. Biol. Chem.</u> , 264:2024-2028 (1989).
	6	1	BANERJEE, "A Recent Approach to the Study of Dolichyl Monophosphate Topology in the Rough Endoplasmic Reticulum", <u>Acta Biochimica Polonica</u> , 41:275-280 (1994).
	6	2	BANERJEE et al., "Endothelial Cells from Bovine Adrenal Medulla Develop Capillary-like Growth Patterns in Culture", <u>Proc. Natl. Acad. Sci. USA</u> , 82:4702-4706 (1985).
	6	3	BANERJEE et al., "Microvascular Endothelial Cells from Bovine Adrenal Medulla - A Model for <i>in vitro</i> Angiogenesis", <u>Angiogenesis: Models, Modulators and Clinical Applications</u> , pp. 7-18 (1998).
	6	4	KORNFELD et al., "Assembly of Asparagine-Linked Oligosaccharides", <u>Annu Rev Biochem</u> , 54:631-664 (1985).
	6	5	HEINEMANN et al., "Amphomycin, a New Antibiotic", <u>Antibiot. Chemother.</u> , 3:1239-1242 (1953);
	6	6	BODANSZKY et al., "Structure of the Peptide Antibiotic Amphomycin", <u>J. Am. Chem. Soc.</u> , 95:2352-2357 (1973).
	6	7	BANERJEE, "Amphomycin: A Tool to Study Protein N-glycosylation", <u>J. Biosci.</u> , 11:311-319 (1987).
	6	8	BANERJEE et al., "Monoclonal Antibody to Amphomycin. A Tool to Study the Topography of Dolichol Monophosphate in the Membrane", <u>Carbohydr. Res.</u> , 236:301-313 (1992).
	6	9	BANERJEE et al., "cAMP-Mediated Protein Phosphorylation of Microsomal Membranes Increases Mannosylphosphodolichol Synthase Activity", <u>Proc Natl Acad Sci (USA)</u> , 84:6389-6393 (1987).
EXAMINER	<i>Howard Davis</i>		DATE CONSIDERED <i>4-8-03</i>

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<i>HO</i>	7	0	'ELIAS et al., "Direct Arterial Vascularization of Estrogen-Induced Prolactin-Secreting Anterior Pituitary Tumors", <u>Proc Natl Acad Sci (USA)</u> , 81:4549-4553 (1984).
<i>HO</i>	7	1	'DAS et al., " $\beta$ -adrenoreceptors of Multiple Affinities in a Clonal Capillary Endothelial Cell Line and its Functional Implication", <u>Mol. Cell. Biochem.</u> , 140:49-54 (1994).
<i>HO</i>	7	2	'BANERJEE et al., "Protein Kinase Type I Regulates GDP-mannose:dolichylphosphate-O- $\beta$ -D-mannosyltransferase in the ER", <u>FASEB J</u> , 9:1361a (1995).
<i>HO</i>	7	3	'COLUSSI et al., "Human and <i>Saccharomyces cerevisiae</i> Dolichol Phosphate Mannose Synthases Represent Two Class of the Enzyme, but both Function in <i>Schizosaccharomyces pombe</i> ", <u>Proc Natl Acad Sci (USA)</u> , 94: 7873-7878 (1997).
<i>HO</i>	7	4	'ORLEAN et al., "Cloning and Sequencing of the Yeast Gene for Dolichol Phosphate Mannose Synthase, an Essential Proteins", <u>J. Biol. Chem.</u> , 263:17499-17507 (1988).
<i>HO</i>	7	5	'MAZHARI-TABRIZI et al., "Cloning and Functional Expression of Glycosyltransferases from Parasitic Protozoans by Heterologous Complementation in Yeast: the Dolichol Phosphate Mannose Synthase from <i>Trypanosoma brucei brucei</i> ", <u>Biochem. J.</u> , 316:853-858 (1996).
<i>HO</i>	7	6	'BANERJEE, "Regulation of Mannosylphosphoryldolichol Synthase Activity by cAMP-dependent Protein Phosphorylation", <u>Highlights of Modern Biochemistry</u> , pp. 379-388 (1989).
<i>HO</i>	7	7	'BANERJEE et al., " <i>In vitro</i> Phosphorylation of Recombinant Dol-P-Man Synthase from <i>S. cerevisiae</i> Enhances its Activity", <u>FASEB J</u> , 12:A1363 (1998).
<i>HO</i>	7	8	'CARRASQUILLO et al., "Serine 141 is Essential for Dol-P-Man Synthase Activity in <i>S. cerevisiae</i> ", <u>Glycobiology</u> , 8:93a (1998).
<i>HO</i>	7	9	'WALKER et al., "A Functional Link Between N-linked Glycosylation and Apoptosis in Chinese Hamster Ovary Cells", <u>Biochem. Biophys. Res. Commun.</u> , 250:264-270 (1998).

EXAMINER

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<i>Ho</i>	8 0	'ROSENWALD et al., "Control of Carbohydrate Processing: Increased $\beta$ 1,6-branching in N-linked Carbohydrates of Lec9 CHO Mutants Appears to Arise from a Defect in Oligosaccharide-dolichol Synthesis", <u>Mol. Cell. Biol.</u> , 9:914-924 (1989).			
<i>Ho</i>	8 1	'YUE et al., "2-Methoxyestradiol, an Endogenous Estrogen Metabolite, Induces Apoptosis in Endothelial Cells and Inhibits Angiogenesis: Possible Role for Stress Activated Protein Kinase Signaling Pathway and Fas Expression", <u>Molecular Pharmacology</u> , Vol. 51, pp. 951-962 (1997).			
<i>Ho</i>	8 2	'GUO et al., "Thrombospondin 1 and Type I Repeat Peptides of Thrombospondin 1 Specifically Induce Apoptosis of Endothelial Cells", <u>Cancer Research</u> , 57:1735-1743 (1997).			
<i>Ho</i>	8 3	'PAHL, "Signal Transduction from the Endoplasmic Reticulum to the Cell Nucleus", <u>Physiol. Rev.</u> , 79:683-701 (1999).			
<i>Ho</i>	8 4	'REDDY et al., "Assembly, Sorting and Exit of Oligomeric Proteins from the Endoplasmic Reticulum", <u>BioEssays</u> , 20:546-554 (1998).			
<i>Ho</i>	8 5	'WANG et al., "Signals from the Stressed Endoplasmic Reticulum Induce C/EBP-homologous Protein (CHOP/GADD153)", <u>Mol. Cell. Biol.</u> , 16:4273-4280 (1996).			
<i>Ho</i>	8 6	'WANG et al., "Cloning of Mammalian Ire1 Reveals Diversity in the ER Stress Responses", <u>EMBO J.</u> , 17:5708-5717 (1998).			
<i>Ho</i>	8 7	'HARDING et al., "Protein Translation and Folding are Coupled by an Endoplasmic-reticulum-resident Kinase", <u>Nature</u> , 397:271-274 (1999).			
<i>Ho</i>	8 8	'BREWER et al., "Mammalian Unfolded Protein Response Inhibits Cyclin D1 Translation and Cell-cycle Progression", <u>Proc. Natl. Acad. Sci (USA)</u> , 96:8505-8610 (1999).			
<i>Ho</i>	8 9	'NAKAGAWA et al., "Caspase-12 Mediates Endoplasmic-reticulum-Specific Apoptosis and Cytotoxicity by Amyloid- $\beta$ ", <u>Nature</u> , 403:98-103 (2000).			
<i>Ho</i>	9 0	'POUYSEGUR et al., "Induction of Two Transformation-sensitive Membrane Polypeptides in Normal Fibroblasts by a Block in Glycoprotein Synthesis or Glucose Deprivation", <u>Cell</u> , 11:941-947 (1977).			
EXAMINER <i>Edward Jones</i>	DATE CONSIDERED <i>4-8-03</i>				
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Form PTO-1449			U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			Applicant BANERJEE et al.		
			Filing Date February 9, 2001	Group 1614	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
<i>Ho</i>	9	1	'SHIU et al., "Glucose Depletion Accounts for the Induction of Two Transformation-sensitive Membrane Proteins in Rous Sarcoma Virus-transformed Chick Embryo Fibroblasts", <u>Proc. Natl. Acad. Sci. (USA)</u> 74:3840-3844 (1977).		
<i>Ho</i>	9	2	'PELUSO et al., "Infection with Paramyxoviruses Stimulates Synthesis of Cellular Polypeptides that are also Stimulated in Cells Transformed by Rous Sarcoma Virus or Deprived of Glucose", <u>Proc. Natl. Acad. Sci. (USA)</u> , 75:6120-6124 (1978).		
<i>Ho</i>	9	3	'GETHING et al., "Protein Folding in the Cell", <u>Nature</u> , 355:33-45 (1992).		
<i>Ho</i>	9	4	'PAHL et al., "A Novel Signal Transduction Pathway from the Endoplasmic Reticulum to the Nucleus is Mediated ; by Transcription Factor NF-kappa B", <u>EMBO J.</u> , 14:2580-2588 (1995).		
<i>Ho</i>	9	5	'WATOWICH et al., "Complex Regulation of Heat Shock- and Glucose-responsive Genes in Human Cells", <u>Mol. Cell Biol.</u> , 8:393-405 (1988).		
<i>Ho</i>	9	6	'DUKSIN et al., "Relationship of the Structure and Biological Activity of the Natural Homologues of Tunicamycin", <u>J. Biol. Chem.</u> , 257:3105-3109 (1982).		
<i>Ho</i>	9	7	'MAHESHWARI et al., "Interferon Treatment Inhibits Glycosylation of a Viral Protein", <u>Nature</u> , 287:454-456 (1980).		
<i>Ho</i>	9	8	'MARTÍNEZ et al., "Tunicamycin Inhibits Capillary Endothelial Cell Proliferation by Inducing Apoptosis", <u>Angiogenesis: From the Molecular to Integrative Pharmacology</u> , abstract (2000).		
<i>Ho</i>	9	9	'MARTÍNEZ et al., "N-glycosylation Inhibition on Endothelial Cell Proliferation and Viability", <u>FASEB J.</u> , 12:231a (1998).		
<i>Ho</i>	10	0	'YOUDIM et al., "Isolated Chromaffin Cells from Adrenal Medulla Contain Primarily Monoamine Oxidase B", <u>Science</u> , 224:619-621 (1984).		
<i>Ho</i>	10	1	'YOUDIM et al., "Steroid Regulation of Monoamine Oxidase Activity in the Adrenal Medulla", <u>FASEB J.</u> , 3:1753-1759 (1989).		
<i>Ho</i>	10	2	'BANERJEE et al., "Expression of Blood Clotting Factor VIII:C Gene in Capillary Endothelial Cells", <u>FEBS Letts.</u> , 306:33-37 (1992).		
<i>Ho</i>	10	3	'MARTÍNEZ et al., "Expression of GLc <sub>3</sub> Man <sub>9</sub> GNAc <sub>2</sub> -PP-Dol is a Prerequisite for Capillary Endothelial Cell Proliferation", <u>Cell Molec. Biol.</u> , 45:137-152 (1999).		
EXAMINER <i>Edward A. Davis</i>			DATE CONSIDERED <i>4-8-03</i>		
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			Filing Date February 9, 2001	Group 1614	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
<i>X</i>	10	4	'CAO et al., "Modified Method of Mammalian Cell Synchronization Improves Yield and Degree of Synchronization", <u>Exp. Cell Res.</u> , 193:405-410 (1991).		
<i>X</i>	10	5	'MILLONIG, "Advantages of a Phosphate Buffer for Osmium Tetroxide Solutions in Fixation", <u>J. Appl. Physics</u> , 32:1637 (1961).		
<i>X</i>	10	6	'KRISHAN, "Rapid Flow Cytofluorometric Analysis of Mammalian Cell Cycle by Propidium Iodide Staining", <u>J. Cell Biol.</u> , 66:188-193 (1975).		
<i>X</i>	10	7	'FIORELLI et al., "Cytokines from Activated T Cells Induce Normal Endothelial Cells to Acquire the Phenotypic and Functional Features of AIDS-Kaposi's Sarcoma Spindle Cells", <u>J. Clin. Invest.</u> , 95:1723-1734 (1995).		
<i>X</i>	10	8	'GRANVILLE et al., "Apoptosis: Molecular Aspects of Cell Death and Disease", <u>Lab. Invest.</u> , 78:893-913 (1998).		
<i>X</i>	10	9	'MARTÍNEZ et al., "cAMP Blocks Apoptosis during Tunicamycin-induced Inhibition of Angiogenesis <i>in vitro</i> ", <u>FASEB Journal</u> , 13:600 (1999).		
<i>X</i>	11	0	'MARTÍNEZ et al., "cAMP Rescues Unfolded Protein Response of Tunicamycin and Restores Cell-cycle Progression", <u>FASEB Journal</u> , 14:1308 (2000).		
<i>X</i>	11	1	'OSI Pharmaceuticals Announces Initiation of Phase I Clinical Trial for Anti-Angiogenesis Agent", Press Release (2000).		
<i>X</i>	11	2	'MARTÍNEZ et al., "Tunicamycin Inhibits Capillary Endothelial Cell Proliferation by Inducing Apoptosis", <u>Angiogenesis: From the Molecular to Integrative Pharmacology</u> , 197-208 (2000).		
<i>X</i>	11	3	'MARTÍNEZ et al., "Tunicamycin Inhibits Angiogenesis by ER Stress", <u>Glycobiology</u> , 10:1131 (2000). <span style="float: right;">3/4</span>		
<i>X</i>	11	4	'BANERJEE et al., "Mannosylphosphodolichol Synthase Activity is Associated with a 32 kDa Phosphoprotein", <u>Bioscience Reports</u> , 19:169-177 (1999).		
<i>X</i>	11	5	'Boehringer Mannheim Corporation, Tunicamycin Data Sheet.		
EXAMINER <i>Richard Jones</i>			DATE CONSIDERED <i>4-8-03</i>		
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<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
<i>as</i>	1	DVORAK et al., <u>The New England Journal of Medicine</u> , Vol. 315, No. 26, pp. 1650-1659 (1986).				
<i>as</i>	2	BAIRD et al., <u>Biochemical and Biophysical Research Communications</u> , Vol. 126, No. 1, pp. 358-364 (1985).				
	3	LEIBOVICH et al., <u>NATURE</u> , Vol. 329, pp. 630-632 (1987)				
<i>HO</i>	4	FOLKMAN et al., <u>American Journal of Pathology</u> , Vol. 130, No. 2, pp. 393-400 (1988).				
<i>HO</i>	5	SMOLIN et al., <u>American Journal of Ophthalmology</u> , pp. 147-151 (1971).				
<i>HO</i>	6	LANIADO-SCHWARTZMAN et al., <u>The Journal of Biological Chemistry</u> , Vol. 269, No. 39, pp. 24321-24327 (1994).				
<i>HO</i>	7	CARLBERG et al., <u>Carcinogenesis</u> , Vol. 17, No. 12, pp. 2589-2596 (1996).				
<i>HO</i>	8	CHAPMAN et al., <u>Ann. Rev. Cell Dev. Biol.</u> , 14, pp. 459-485 (1998).				
<i>HO</i>	9	CAI et al., <u>Journal of Cellular Physiology</u> , 177, pp. 282-288 (1998).				
EXAMINER	<i>Harold Chen</i>			DATE CONSIDERED <i>4-8-03</i>		
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
<i>HO</i>	1	KLAGSBRUN et al., <u>Peptide Growth Factors and their Receptors II</u> , Angiogenesis, Chapter 37, pp. 549-586 (1990).				
<i>HO</i>	2	FOLKMAN, <u>Seminar in Cancer Biology</u> , Vol. 3, pp. 65-71 (1992).				
<i>HO</i>	3	MAHADEVAN et al., <u>Rev. Oncologica</u> , Vol. 29, pp. 97-103 (1990).				
<i>HO</i>	4	WEIDNER, <u>Seminars in Diagnostic Pathology</u> , Vol. 10, No. 4, pp. 302-313 (1993).				
<i>HO</i>	5	WEIDNER, <u>Current Opinion in Obstetrics and Gynecology</u> , 7, pp. 4-9 (1995).				
<i>HO</i>	6	WEIDNER, <u>Seminars in Diagnostic Pathology</u> , Vol. 12, No. 1, pp. 2-13 (1995).				
<i>HO</i>	7	FIDLER et al., <u>Advances in Cancer Research</u> , The Biology of Cancer Invasion and Metastasis, Vol. 28, pp. 149-250 (1978).				
<i>HO</i>	8	WEISS, <u>Fundamental Aspects of Metastasis</u> , Biophysical Aspects of the Metastatic Cascade, Chapter 3, pp. 51-70 (1976).				
<i>HO</i>	9	BERNSTEIN et al., <u>Current Opinion in Oncology</u> , 6, pp. 106-113 (1994).				
<i>HO</i>	10	FOLKMAN, <u>Thrombosis and Haemostasis</u> , Angiogenesis, 24, pp. 583-596 (1987).				
<i>HO</i>	11	LIOTTA et al., <u>Breast Cancer: Cellular and Molecular Biology</u> , pp. 223-238 (1988).				
<i>HO</i>	12	KERBEL et al., <u>Cancer Surveys</u> , Clonal Dominance of Primary Tumours by Metastatic Cells: Genetic Analysis and Biological Implications, Vol. 7, No. 4, pp. 597-629 (1988).				
<i>HO</i>	13	FOLKMAN, <u>Cancer Medicine</u> , Tumor Angiogenesis, Ch. 11, pp. 153-170 (1992).				
EXAMINER <i>Donald Dean</i>			DATE CONSIDERED <i>4-8-03</i>			
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